

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002784**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C07K 14/705**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 : C07K, C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and Applications for Inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NCBI, PubMed, CA, Delphion**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Leitinger, B., et al. "Molecular analysis of collagen binding by the human discoidin domain receptors, DDR1 and DDR2" J Biol Chem., May 09, 2003, Vol. 278(19): pages 16761-16769, See entire document.	1-22
A	Ikeda, K., et al. "Discoidin domain receptor 2 interacts with Src and Shc following its activation by type I collagen" J Biol Chem., May 24, 2002, Vol. 277(21): pages 19206-19212, See entire document.	1-22
A	Olaso, E., et al., "DDR2 receptor promotes MMP-2-mediated proliferation and invasion by hepatic stellate cells" J Clin Invest., Nov. 2001, Vol. 108(9): pages 1369-1378, See entire document.	1-22
A	WO 98/34954 (MOUNT SINAI HOSPITAL CORPORATION), Aug. 13, 1998, See entire document.	1-22

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
26 JANUARY 2005 (26.01.2005)

Date of mailing of the international search report

26 JANUARY 2005 (26.01.2005)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, JEONG UNG

Telephone No. 82-42-481-8159



INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002784

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of :

a. type of material

- ☒ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☒ in written format
☒ in computer readable form

c. time of filing/furnishing

- ☒ contained in the international application as filed
☒ filed together with the international application in computer readable form
☐ furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2004/002784

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 98/34954	Aug. 13, 1998	US 20030070184 A1 EP 1015487 A2	Apr. 10, 2003 Jul. 05, 2000